

*sub A*

1        1. A method for processing waste material  
2        comprising  
3                homogenizing said waste material in a homogenizer;  
4                dropping said waste material into a mixer after  
5        homogenizing, said mixer located below said homogenizer;  
6                mixing said waste material with an additive in said  
7        mixer to form a mixture; and  
8                dropping said mixture from said mixer to a  
9        processing terminus located below said mixer.

*sub B*

1        2. The method of claim 1 wherein said waste  
2        material is solid or semi-solid.

*sub C*

1        3. The method of claim 1 further comprising  
2        removing lumps of waste material of a size greater than a  
3        predetermined size from said waste material before said  
4        homogenizing.

*sub C*

1        4. The method of claim 1 further comprising mixing  
2        said waste material with a pretreatment additive in said  
3        homogenizer.

*sub C*

1        5. The method of claim 1 further comprising  
2        accumulating a batch of waste material in said mixer before  
3        said mixing.

*sub C*

1        6. The method of claim 1 further comprising  
2        weighing said waste material to determine an amount of  
3        additive to be added to said waste material.

*sub C*

1        7. The method of claim 6 wherein said waste  
2        material is weighed while contained within said mixer.

1           8. The method of claim 1 wherein said homogenizing  
2 comprises loading said waste material into said homogenizer.

1           9. The method of claim 8 wherein said waste  
2 material is loaded into said homogenizer with an excavator.

1           10. The method of claim 8 wherein said waste  
2 material is loaded into said homogenizer with a conveyor.

1           11. The method of claim 8 wherein said waste  
2 material is loaded into said homogenizer with a bulldozer.

1           12. The method of claim 1 wherein said processing  
2 terminus comprises a vehicle.

1           13. A method for processing waste material  
2 comprising  
3           loading said waste material into a homogenizer;  
4           homogenizing said waste material in said  
5 homogenizer;  
6           dropping said waste material into a mixer after  
7 homogenizing, said mixer located below said homogenizer;  
8           accumulating a batch of waste material in said  
9 mixer;  
10          weighing said batch of waste material to determine  
11 an amount of additive to be added to said waste material;  
12          mixing said waste material with said additive in  
13 said mixer to form a mixture; and  
14          dropping said mixture from said mixer to a  
15 processing terminus located below said mixer.

1           14. The method of claim 13 wherein said waste  
2 material is solid or semi-solid.

1           15. The method of claim 13 further comprising  
2 removing lumps of waste material of a size greater than a  
3 predetermined size from said waste material before said  
4 homogenizing.

1           16. The method of claim 13 further comprising  
2 mixing said waste material with a pretreatment additive in  
3 said homogenizer.

1           17. The method of claim 13 wherein said processing  
2 terminus comprises a vehicle.

1           18. An apparatus for processing waste material  
2 comprising  
3           a homogenizer;  
4           a mixer located below said homogenizer to receive  
5 waste material from said homogenizer by gravity feed; and  
6           a processing terminus located below said mixer to  
7 receive said waste material by gravity feed.

1           19. The apparatus of claim 18 wherein said waste  
2 material is solid or semi-solid.

1           20. The apparatus of claim 18 wherein said  
2 homogenizer comprises a plurality of homogenizing augers.

1           21. The apparatus of claim 20 wherein said  
2 homogenizing augers are configured and disposed for counter-  
3 rotation.

1           22. The apparatus of claim 18 further comprising  
2           an additive receptacle; and

3                   means for transferring additive from said additive  
4 receptacle to said homogenizer.

1                   23. The apparatus of claim 18 wherein said mixer  
2 comprises a plurality of mixing augers.

1                   24. The apparatus of claim 23 wherein said mixing  
2 augers are configured and disposed for counter-rotation.

1                   25. The apparatus of claim 18 wherein said mixer  
2 comprises weight sensing elements.

1 *mix* 26. The apparatus of claim 18 further comprising  
2                   an additive receptacle; and  
3                   means for transferring additive from said additive  
4 receptacle to said mixer.

1                   27. The apparatus of claim 18 further comprising a  
2 loading conveyor having a discharge end disposed so as to  
3 deliver said waste material to said homogenizer.

1                   28. The apparatus of claim 18 wherein said  
2 processing terminus comprises space to permit entry of a  
3 vehicle below said mixer to receive and transport said waste  
4 material from said apparatus.

1 *mix* 29. An apparatus for processing waste material  
2 comprising  
3                   a homogenizer;  
4                   a mixer located below said homogenizer to receive  
5 waste material from said homogenizer by gravity feed;  
6                   a processing terminus located below said mixer to  
7 receive said waste material by gravity feed, said processing

8 terminus configured to permit entry of a vehicle below said  
9 mixer to receive and transport said waste material from said  
10 apparatus;

11 a first additive receptacle; and  
12 means for transferring additive from said first  
13 additive receptacle to said mixer.

1 30. The apparatus of claim 29 wherein said waste  
2 material is solid or semi-solid.

1 *Subt A10* 31. The apparatus of claim 29 further comprising  
2 a second additive receptacle; and  
3 means for transferring additive from said second  
4 additive receptacle to said homogenizer.

1 32. The apparatus of claim 29 wherein said mixer  
2 comprises weight sensing elements.

1 33. The apparatus of claim 29 further comprising a  
2 loading conveyor having a discharge end disposed so as to  
3 deliver said waste material to said homogenizer.

1 *Subt A11* 34. A method for processing acidic waste material  
2 of the kind that is characterized by having large lumps  
3 comprising  
4 loading said waste material into an homogenizer  
5 using a conveyor, a bulldozer, or an excavator,  
6 homogenizing said waste material using counter-  
7 rotating augers,  
8 dropping said waste material by gravity from said  
9 homogenizer into a mixer located below said homogenizer,  
10 after said waste material has been homogenized,

11                accumulating a batch of said waste material in said  
12    mixer,  
13                weighing said batch of waste material to determine  
14    an amount of basic additive to be added to said waste  
15    material,  
16                adding said amount of basic additive to said waste  
17    material in said mixer after said batch has been  
18    accumulated,  
19                mixing said waste material with said additive in  
20    said mixer using counter-rotating augers to form a mixture,  
21    and  
22                dropping said mixture from said mixer into a truck  
23    located below said mixer.

1                6                5  
1    35. The method of claim 34 wherein said waste  
2    material is solid or semi-solid.